

(RE)

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PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/701,023

DATE: 07/15/2001

TIME: 20:03:12

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Output Set: N:\CRF3\07152001\I701023.raw

ENTERED

3 <110> APPLICANT: YE, De
4 YANG, Wei-Cai
5 SUNDARESAN, Venkatesan
6 XU, Jian
8 <120> TITLE OF INVENTION: Control of Sporocyte or Meiocyte Formation in Plants
10 <130> FILE REFERENCE: 2577-110
12 <140> CURRENT APPLICATION NUMBER: US 09/701,023
C--> 13 <141> CURRENT FILING DATE: 2001-06-18
15 <150> PRIOR APPLICATION NUMBER: PCT/SG99/00023
16 <151> PRIOR FILING DATE: 1999-03-22
18 <160> NUMBER OF SEQ ID NOS: 20
20 <170> SOFTWARE: PatentIn version 3.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 1302
24 <212> TYPE: DNA
25 <213> ORGANISM: Arabidopsis thaliana
27 <400> SEQUENCE: 1
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32 cgtcggaaac ccaaacgatc ttctgagaaa caccctgttt gtcgtcaata gctccggcga 180
34 gatccggaca gagacactga agagtcgtgg tcggaaacca ggatcgaaga caggtcagca 240
36 aaaacagaag aaaccaacgt tgagaggaat ggggtgtagc aagctcgagc gtcagagaat 300
38 cgaagaagaa aagaagcaac tcgccgccgc cacagtcgga gacacgtcat cagtagcatc 360
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75 <212> TYPE: DNA
76 <213> ORGANISM: Arabidopsis thaliana
78 <400> SEQUENCE: 2
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83 actttcatcc cgggctacaa ggcttcccaa gctcatcggt agcaacagga tctattgttg 180

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85 tggagtcggg tcgggtcagg ttatgatcga cccggttatt tctccatggg gttttgttga 240
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93 <213> ORGANISM: Arabidopsis thaliana
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102 <211> LENGTH: 314
103 <212> TYPE: PRT
104 <213> ORGANISM: Arabidopsis thaliana
106 <400> SEQUENCE: 4
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111 Asn Pro Asn Asp Leu Leu Arg Asn Thr Arg Leu Val Val Asn Ser Ser
112 20 25 30
114 Gly Glu Ile Arg Thr Glu Thr Leu Lys Ser Arg Gly Arg Lys Pro Gly
115 35 40 45
117 Ser Lys Thr Gly Gln Gln Lys Gln Lys Lys Pro Thr Leu Arg Gly Met
118 50 55 60
120 Gly Val Ala Lys Leu Glu Arg Gln Arg Ile Glu Glu Glu Lys Lys Gln
121 65 70 75 80
123 Leu Ala Ala Ala Thr Val Gly Asp Thr Ser Ser Val Ala Ser Ile Ser
124 85 90 95
126 Asn Asn Ala Thr Arg Leu Pro Val Pro Val Asp Pro Gly Val Val Leu
127 100 105 110
129 Gln Gly Phe Pro Ser Ser Leu Gly Ser Asn Arg Ile Tyr Cys Gly Gly
130 115 120 125
132 Val Gly Ser Gly Gln Val Met Ile Asp Pro Val Ile Ser Pro Trp Gly
133 130 135 140
135 Phe Val Glu Thr Ser Ser Thr Thr His Glu Leu Ser Ser Ile Ser Asn
136 145 150 155 160
138 Pro Gln Met Phe Asn Ala Ser Ser Asn Asn Arg Cys Asp Thr Cys Phe
139 165 170 175
141 Lys Lys Lys Arg Leu Asp Gly Asp Gln Asn Asn Val Val Arg Ser Asn
142 180 185 190
144 Gly Gly Gly Phe Ser Lys Tyr Thr Met Ile Pro Pro Pro Met Asn Gly
145 195 200 205
147 Tyr Asp Gln Tyr Leu Leu Gln Ser Asp His His Gln Arg Ser Gln Gly
148 210 215 220
150 Phe Leu Tyr Asp His Arg Ile Ala Arg Ala Ala Ser Val Ser Ala Ser
151 225 230 235 240
153 Ser Thr Thr Ile Asn Pro Tyr Phe Asn Glu Ala Thr Asn His Thr Gly
154 245 250 255
156 Pro Met Glu Glu Phe Gly Ser Tyr Met Glu Gly Asn Pro Arg Asn Gly
157 260 265 270
159 Ser Gly Gly Val Lys Glu Tyr Glu Phe Phe Pro Gly Lys Tyr Gly Glu

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163 290 295 300
165 Pro Asn Thr Ile Asp Leu Ser Leu Lys Leu
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169 <211> LENGTH: 18
170 <212> TYPE: PRT
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178 Arg Gln
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183 <212> TYPE: PRT
184 <213> ORGANISM: Arabidopsis thaliana
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191 Arg Gln
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204 Arg His
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208 <211> LENGTH: 18
209 <212> TYPE: PRT
210 <213> ORGANISM: Homo sapiens
212 <400> SEQUENCE: 8
214 Arg Gly Arg Val Lys Ile Lys Met Glu Phe Ile Asp Asn Lys Leu Arg
215 1 5 10 15
217 Arg Tyr
220 <210> SEQ ID NO: 9
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222 <212> TYPE: PRT
223 <213> ORGANISM: Antirrhinum sp.
225 <400> SEQUENCE: 9
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235 <212> TYPE: PRT
236 <213> ORGANISM: Yeast sp.

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248 <212> TYPE: PRT
249 <213> ORGANISM: Yeast sp.
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256 Arg Thr
259 <210> SEQ ID NO: 12
260 <211> LENGTH: 18
261 <212> TYPE: PRT
262 <213> ORGANISM: Homo sapiens
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269 Arg Gln
272 <210> SEQ ID NO: 13
273 <211> LENGTH: 18
274 <212> TYPE: PRT
275 <213> ORGANISM: Arabidopsis thaliana
277 <400> SEQUENCE: 13
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280 1 5 10 15
282 Arg Gln
285 <210> SEQ ID NO: 14
286 <211> LENGTH: 18
287 <212> TYPE: PRT
288 <213> ORGANISM: Petunia
290 <400> SEQUENCE: 14
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295 Arg Gln
298 <210> SEQ ID NO: 15
299 <211> LENGTH: 18
300 <212> TYPE: PRT
301 <213> ORGANISM: Brassica oleracea
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308 Arg Gln
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313 <212> TYPE: PRT
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RAW SEQUENCE LISTING

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TIME: 20:03:12

Input Set : A:\ES.txt

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321 Arg Gln

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325 <211> LENGTH: 17

326 <212> TYPE: PRT

327 <213> ORGANISM: Arabidopsis thaliana

329 <400> SEQUENCE: 17

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334 Gln

337 <210> SEQ ID NO: 18

338 <211> LENGTH: 4071

339 <212> TYPE: DNA

340 <213> ORGANISM: Arabidopsis thaliana

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347 catctaaagt ggtcccggtg atgacacgtg tcagttggac cactatccgt aacttaacat 180
349 gaaagcacat gtggggtccc tctttcgctc tttgocctac cagttccttg tcctagccca 240
351 caatacaatc tacgcggtat ctatatcaaa gtttatctag ctattttccg aaatagaaag 300
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355 tgatttattt cgatttagtg taattctatt atcatctcgc gtgtcattct aggcattatag 420
357 caacagtgtg ggtatgttgc aatgttgggt tggatcatgcc gtttggtatt atttccagt 480
359 attaatcag attttatttt tcttcttaat tatctacgta taacaaaatc tcgctaaccg 540
361 cagagtgaat ttgcatgtca ctcatgaatg ttttgagtat aagaagtga taatttgtt 600
363 tataaatata tgaacttatg aagatacata ttgaagttgt tttgtttggg ggtaaaaaag 660
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403 ctgttggttac tcttttaaat tcttaaaaac tataaatcat tatacttttg atctgtttca 1860
405 caaactaatc atattcgttg caaagtgaga attcgtccca ctttactctt tacaccgata 1920
407 ctagtattat agatgtacag catagtattc catatctagt tatttagtca aaactctata 1980

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

0701023-051001
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